

Abstract

The present invention relates to a means to inhibit the production of StAR binding protein, which binds to StAR protein, i.e. a cholesterol transport stimulating factor, and regulates the function of StAR protein; and furthermore, leads to induce apoptosis specifically in cancer cells by impairing said function. A protein, which interacts with StAR protein, was discovered. Then RNA fragments, which is homologous to a specific nucleotide sequence of said StAR binding protein (SBP), was synthesized and said RNA fragments was transduced into cancer cells. As the results, it was confirmed that the expression of StAR binding protein was inhibited and, furthermore, apoptotic cells emerged.